Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/01/2021 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123448	-2	1.34	123358	1.33
Blue	F	SSC	125000	121249	-4	2.27	121559	2.17
Blue	E	FITC	13131	12548	-5	2.41	289	15.41
Blue	D	PE	24112	23496	-3	1.80	538	10.67
Blue	B	PerCP-Cy5-5	31295	30183	-4	3.08	1001	14.66
Blue	A	PE-Cy7	19939	19487	-3	5.25	518	29.57
Red	C	APC	42122	40797	-4	2.91	1709	11.49
Red	A	APC-Cy7	22340	21828	-3	3.14	815	11.59
Violet	B	V450	7410	7080	-5	3.77	431	12.86
Violet	A	V500	28118	26755	-5	3.21	667	10.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22877	1.61	568	-1	N/A	N/A	Pass
Blue	F	SSC	56643	1.13	517	5	N/A	N/A	Pass
Blue	E	FITC	54	54.62	486	-1	0.0448	159	Pass
Blue	D	PE	114	37.06	489	1	0.4619	369	Pass
Blue	B	PerCP-Cy5-5	186	36.49	585	-1	0.0196	83	Pass
Blue	A	PE-Cy7	106	70.12	628	0	0.0218	10	Pass
Red	C	APC	397	24.25	579	3	0.0274	192	Pass
Red	A	APC-Cy7	182	27.86	555	4	0.0064	1271	Pass
Violet	B	V450	60	65.58	453	0	0.0600	2487	Pass
Violet	A	V500	96	33.94	464	-1	0.0235	637	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.64	-31.43	1.17
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	15.19	13.60 - 20.40	N/A	N/A	29.87	30.03	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9802

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments